



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: June 21, 2023

Effective Date: June 21, 2023

Expiration Date: June 20, 2028

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 23-00073

Synthetic Minor

Federal Tax Id - Plant Code: 23-1716213-1

Owner Information

Name: ALAN MCILVAIN CO.

Mailing Address: 501 MARKET ST
MARCUS HOOK, PA 19061-4833

Plant Information

Plant: ALAN MCILVAIN/MARCUS HOOK

Location: 23 Delaware County 23825 Marcus Hook Borough

SIC Code: 2431 Manufacturing - Millwork

Responsible Official

Name: ALAN "LAN" MCILVAIN

Title: OPERATIONS MANAGER

Phone: (610) 485 - 6600

Email: lan@alanmcilvain.com

Permit Contact Person

Name: ALAN "LAN" MCILVAIN

Title: OPERATIONS MANAGER

Phone: (610) 485 - 6600

Email: lan@alanmcilvain.com

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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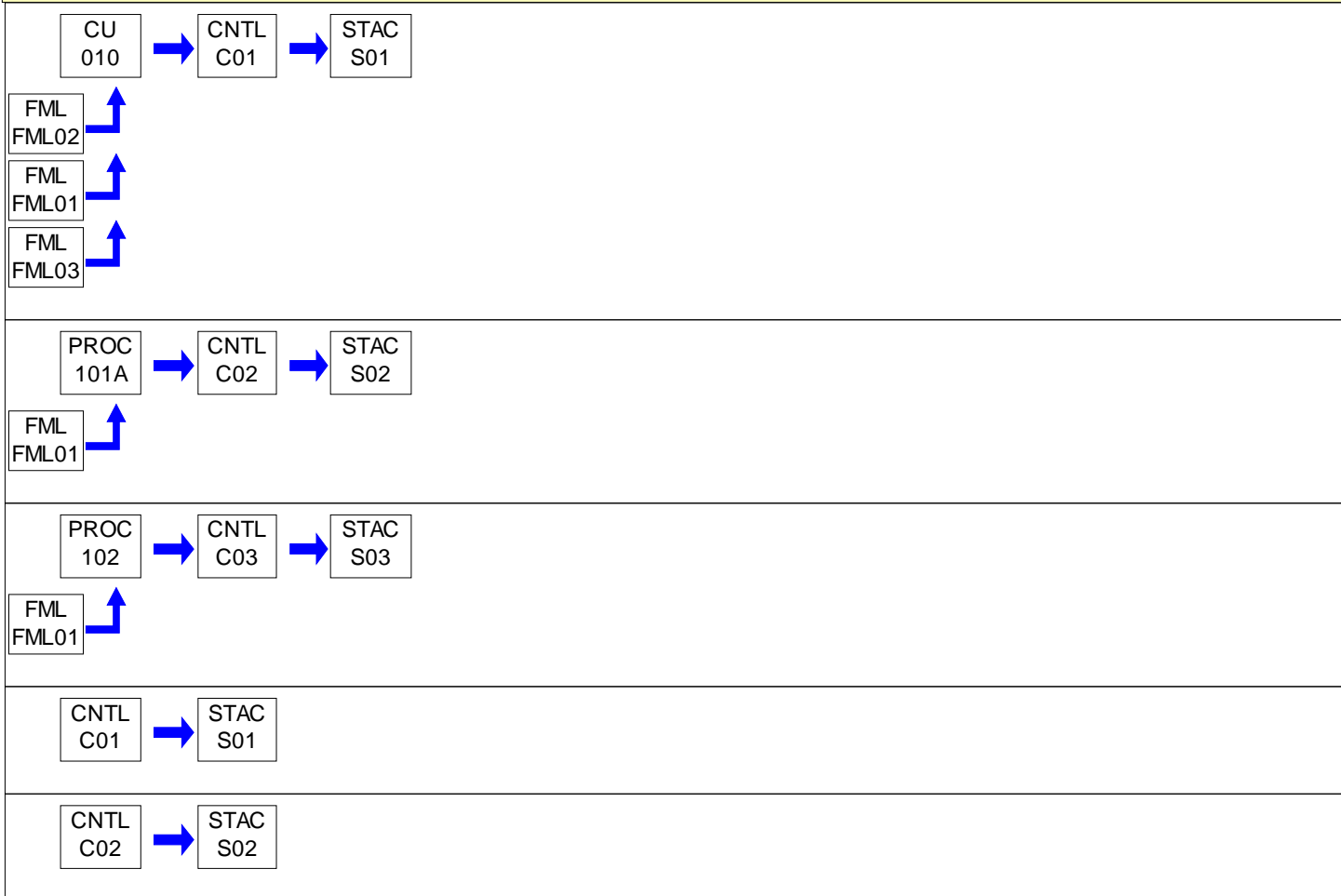
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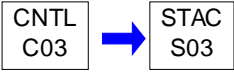
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
010	BOILER	15.000 MMBTU/HR	
		110.000 Gal/HR	#2 Oil
		N/A	WOOD WASTE
101A	MAIN WOODWORKING MACHINERY	N/A	WOOD
102	MOULDERS (4)/SHREDDER (1)	3.900 Th Bd Ft/HR	WOOD
C01	MULTI-CYCLONE WITH FLY ASH RE-INJECTION		
C02	WOODWORKING MACHINERY DUST COLLECTOR 1		
C03	WOODWORKING MACHINERY DUST COLLECTOR 2		
FML01	SCRAP WOOD BIN		
FML02	SAWDUST STORAGE SILO		
FML03	NO. 2 FUEL OIL UNDERGROUND STORAGE TANK (UST)		
S01	MULTI-CYCLONE STACK		
S02	MAIN WOODWORKING MACHINERY DUST COLLECTOR STACK		
S03	PLANERS DUST COLLECTOR STACK		

PERMIT MAPS



PERMIT MAPS



**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]**Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution; and
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any one hour; or
- (b) Equal to or greater than 60% at any time.

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the restrictions.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (1) – (8) (relating to prohibition of certain fugitive emissions).

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO_x) from this facility shall not exceed 24.9 tons per year calculated monthly and as a twelve (12) month rolling sum.

008 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements; or
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall monitor the total nitrogen oxides (NOx) emissions from the facility on a monthly basis, and as a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) Date, time, and location of the incident(s);
- (b) The cause of the event; and
- (c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.

**SECTION C. Site Level Requirements**

- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the total nitrogen oxides (NOx) emissions from the facility, on a monthly basis and as a 12-month rolling sum.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 68.]

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release

**SECTION C. Site Level Requirements**

program consistent with requirements of the Clean Air Act, 40 C.F.R. Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets the requirements of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the EPA according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three (3) years after the date on which a regulated substance is first listed in 40 C.F.R. § 68.130.
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.

(e) If the facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

(a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;

(b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;

(c) paving and maintenance of roadways; and

**SECTION C. Site Level Requirements**

(d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this Permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of a source(s) listed in this Permit, is causing the emission of air contaminants in excess of the restrictions specified in, or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g) of Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

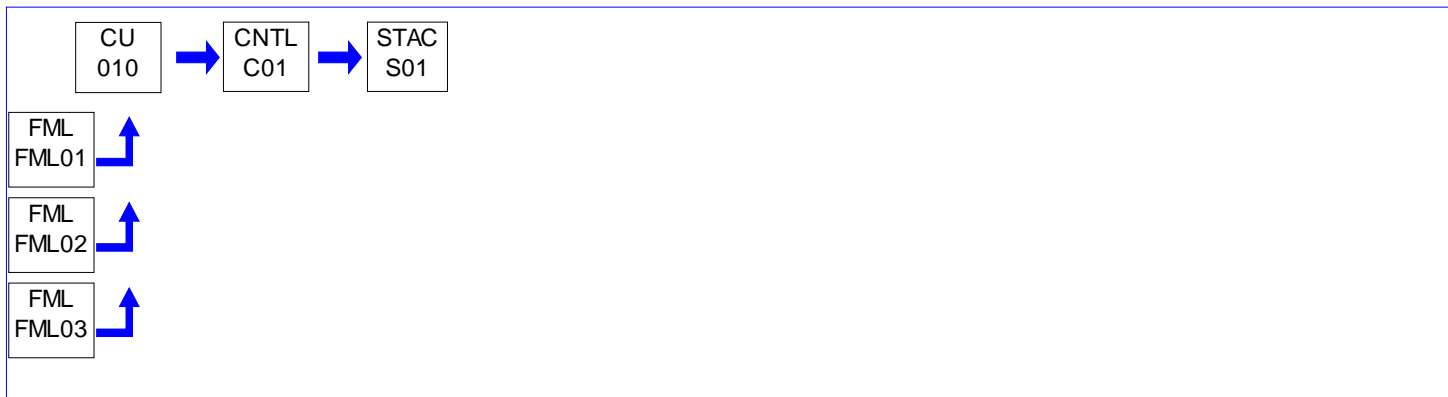
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 010

Source Name: BOILER

Source Capacity/Throughput: 15.000 MMBTU/HR
 110.000 Gal/HR #2 Oil
 N/A WOOD WASTE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pound per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

Fuel Restriction(s).**# 003 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer:

(1) Prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(2) Prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

[Compliance with this condition assures compliance with the sulfur emission rate of 1.0 lb SO₂/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the inner zone, while firing No. 2 fuel oil.]

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that wood waste (i.e., scrap wood and/or sawdust) and No. 2 fuel oil are the only fuels consumed by the Boiler (Source ID: 010).

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §123.22]****Combustion units**

The actual sulfur content of commercial fuel oil shall be determined:

- (a) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or
- (b) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

006 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).
- (2) Test methods and procedures for the determination of viscosity shall be those specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.
- (3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).
- (4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a) above shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following operating parameters on a monthly basis:

- (a) for the Boiler (Source ID: 010):
 - (1) The hours of operation when consuming wood waste.
 - (2) The hours of operation when consuming No. 2 fuel oil.
 - (3) The amount of wood waste consumed (tons), calculated using a Department-approved method.
 - (4) The amount of No. 2 fuel oil consumed (gallons).
- (b) The hours of operation for the associated energy use systems (i.e., the sources powered by steam from the boiler, as specified in paragraph (b)(1)–(2) of Section G (Miscellaneous)).

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the following operating parameters on a monthly basis:

- (a) for the Boiler (Source ID: 010):

**SECTION D. Source Level Requirements**

- (1) The hours of operation when consuming wood waste.
 - (2) The hours of operation when consuming No. 2 fuel oil.
 - (3) The amount of wood waste consumed (tons), calculated using a Department-approved method.
 - (4) The amount of No. 2 fuel oil consumed (gallons).
- (b) The hours of operation for the associated energy use systems.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the dates that the ash collection hopper of the multi-cyclone (Source ID: C01) associated with the Boiler (Source ID: 010) is emptied.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.10(b)(2)(iii) and 63.11205(a), and 25 Pa. Code § 127.35(b).]

- (a) The permittee shall maintain records of the operation and maintenance procedures for this boiler.
- (b) The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, adjustments, parts replacements, calibrations, etc.) performed for the boiler and associated multi-cyclone (Source ID: C01) and monitoring equipment. These records shall include, at a minimum, the following:
- (1) The date of the maintenance.
 - (2) The type of maintenance performed.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.11201(b), 63.11214(b), 63.11223(a) and (b)(6)(i)–(iii), 63.11225(c)(1)–(2); and 25 Pa. Code §§ 127.35(b) and 129.93(b)(3)(i)–(vi).]

The permittee shall maintain records of the following for the Boiler (Source ID: 010):

- (a) All notifications and reports required to comply with 40 CFR 63, Subpart JJJJJJ (along with all supporting documentation).
- (b) The following for each tune-up, performed in accordance with Condition #018, of this Section:
- (1) A description of the boiler.
 - (2) The date of the tune-up.
 - (3) The name of the service company and technicians.
 - (4) The procedures followed for the tune-up.
 - (5) The manufacturer's specifications to which the boiler was tuned.
 - (6) The operating load.
 - (7) A report including the following information (to be submitted to the EPA upon request):

**SECTION D. Source Level Requirements**

(i) The concentrations of the following constituents in the exhaust gas, both before and after the tune-up:

(A) NO_x (ppmv, dry basis).

(B) CO (ppmv, dry basis).

(C) Oxygen (O₂) (volume percent).

(ii) The types and amounts of fuel consumed over the 12 months prior to the tune-up.

(iii) Any corrective actions taken during the tune-up.

(c) The report associated with the energy assessment required in Condition #019 of this Section.

(d) Documentation of how the wood waste consumed by the boiler meets the legitimacy criteria for non-hazardous secondary materials specified in 40 CFR § 241.3(d)(1)(i)–(iii).

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the NO_x emissions from the Boiler (Source ID: 010) on a monthly and 12-month rolling sum, calculated using a Department-approved method(s).

013 [25 Pa. Code §123.22]

Combustion units

The permittee shall maintain in electronic or paper format the record provided by the transferor for the shipment of commercial fuel oil as it changed hands to the permittee (ultimate consumer). This record must legibly and conspicuously contain the following information, in accordance with 25 Pa. Code § 123.22(g)(1) and (5):

(a) The date of the sale or transfer.

(b) The name and address of the transferor.

(c) The name and address of the transferee.

(d) The volume of commercial fuel oil being sold or transferred.

(e) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1) and § 139.16, expressed as one of the following statements:

a. For a shipment of No. 2 and lighter commercial fuel oil:

i. Prior to September 1, 2020 - "The sulfur content of this shipment is 500 ppm or below."

ii. On and after September 1, 2020 - "The sulfur content of this shipment is 15 ppm or below."

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee may obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.05 percent, each time a delivery is made.

(b) In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with Condition #006 of this Section.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 015 [25 Pa. Code §123.22]****Combustion units**

The permittee shall provide an electronic or written copy of the commercial fuel oil shipment record to the Department upon request, in accordance with 25 Pa. Code § 123.22(g)(4)(ii).

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.9(b)(2)(i)–(v) and (h)(1)–(2), 63.11214(b)–(c), and 63.11225(a)–(b); and 25 Pa. Code § 127.35(b).]

(a) On or before March 1, of each year following a calendar year that the permittee performed (or was required to perform) a tune-up or associated inspections for the boiler, in accordance with/pursuant to Condition #018(a)–(b) of this Section, the permittee shall submit, to the Department, a compliance certification report for the boiler. The compliance certification report shall include the following information:

(1) The name and address of the permittee.

(2) A statement indicating whether the boiler has complied with the provisions of 40 CFR 63, Subpart JJJJJJ, along with the following certifications of compliance (verbatim), as appropriate:

(i) "This facility has complied with the requirements indicated in 40 CFR § 63.11223(a)–(b) to perform a biennial tune-up of the boiler."

(ii) "No secondary materials that are solid waste were consumed by the boiler (the only affected source)."

(b) The notifications and report indicated in paragraph (a) shall be certified for truth, accuracy, and completeness by the responsible official for the facility, as indicated on the cover page of this permit, and shall include the responsible official's name, title, phone number, e-mail address, and signature.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the ash collection hopper of the multi-cyclone (Source ID: C01) associated with the Boiler (Source ID: 010) is emptied quarterly when consuming wood waste.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.11196(a)(1), 63.11201(b), 63.11214(b), and 63.11223(a) and (b)(1)–(5) and (7); and 25 Pa. Code § 127.35(b).]

(a) The permittee shall perform a tune-up of this boiler, in accordance with the manufacturer's specifications. The tune-up shall be performed while the boiler is operating at high fire or typical operating load and consuming the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. The tune-up shall include, at a minimum, the following:

(1) Inspection, adjustment, cleaning, or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation.

(2) Inspection of the flame pattern or characteristics and adjustments necessary to optimize the flame pattern or characteristics and minimize the total emissions of NO_x and, to the extent practicable, the total emissions of carbon monoxide (CO). To confirm that the total emissions of NO_x and CO have been minimized, the permittee shall measure the rates and concentrations, as applicable, of the following constituents in the exhaust gas, both before and after the tune-up, using a Department-approved portable analyzer:

**SECTION D. Source Level Requirements**

(i) NO_x (i.e., nitrogen oxide [NO] + nitrogen dioxide [NO₂]) (ppmv, dry basis).

(ii) CO (ppmv, dry basis).

(iii) Oxygen (O₂) (volume percent).

(3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation.

(b) The permittee shall perform subsequent tune-ups on a biennial basis (not to exceed 25 months after the previous tune-up), except as follows:

(1) If the boiler is not operating on the required date of the tune-up (i.e. the two-year anniversary of the previous tune-up), the tune-up may be delayed until up to 30 days after the boiler resumes operation.

(2) The inspections required in paragraphs (a)(1) and (a)(3) may be delayed until the next scheduled boiler shutdown (not to exceed 36 months after the previous inspections).

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate the NO_x emissions from the Boiler (Source ID: 010) on a monthly and 12-month rolling basis, using a Department-approved method(s).

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that any sawdust spilled outdoors, particularly following transfer from the Sawdust Storage Silo (Source ID: FML02) to a trailer, is cleaned up immediately.

VII. ADDITIONAL REQUIREMENTS.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source consists of a wood waste/No. 2 fuel oil-fired underfeed stoker boiler, model no. JH/HD2500/K, manufactured by Vyncke P.V.B.A. The boiler is rated at 10,000 lbs steam/hr (13.7 mmBtu/hr heat input or 308 boiler hp) for wood waste (primary fuel) and 15 mmBtu/hr heat input (338 boiler hp) for No. 2 fuel oil (auxiliary fuel), and is used to provide steam to heat six dry kilns and eleven space heaters listed in paragraph (b)(1)–(2) of Section G (Miscellaneous). Fuel is fed to the boiler, as follows:

(1) Scrap wood is fed from a scrap wood bin (Source ID: FML01) via a belt drag conveyor.

(2) Sawdust is fed from a 32-ft (diameter) × 40-ft (height) (~32,000 ft³) sawdust storage silo (Source ID: FML02). (Sawdust from the storage silo is also transferred to trailers via pneumatic conveyors (up to two may be connected at one time).

(3) No. 2 fuel oil is fed from an 8,000-gal UST (Source ID: FML03) to a burner, model no. PAGO-2-15, manufactured by the Iron Fireman Mfg. Co.

(b) Emissions from the boiler are routed to a multi-cyclone (ash separator) with fly ash re-injection (Source ID: C01), model type/no. Multi 150 T 64, manufactured by Vyncke P.V.B.A., before exhausting into the outdoor atmosphere. The ash collection hopper associated with the multi-cyclone has a capacity of 38.2 ft³.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The Boiler (Source ID: 010) is subject to and shall comply with all applicable requirements of 40 CFR Part 63, Subpart JJJJJJ. In accordance with 40 CFR § 63.13, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

Associate Director

**SECTION D. Source Level Requirements**

Office of Air Enforcement and Compliance Assistance (3AP20)
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11194]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What is the affected source of this subpart?**

(a) The Boiler (Source ID: 010) is subject to the provisions of 40 CFR 63, Subpart JJJJJJ as an existing industrial boiler within a subcategory, as listed in §63.11200 and defined in 40 CFR § 63.11237, located at an area source.

(b) Pursuant to 40 CFR § 63.11200, the Boiler (Source ID: 010) is classified in the "oil-fired boiler" subcategory. Pursuant to 40 CFR § 63.11237, the oil-fired boiler subcategory includes any boiler that burns any liquid fuel and is not in either the biomass or coal subcategories. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**SECTION D. Source Level Requirements**

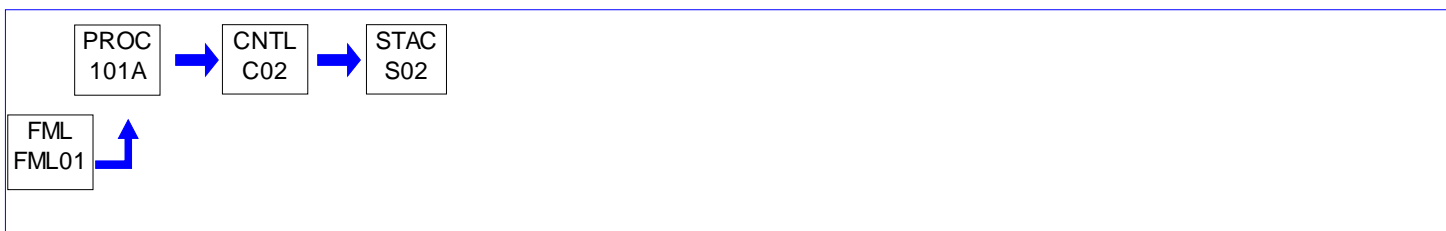
Source ID: 101A

Source Name: MAIN WOODWORKING MACHINERY

Source Capacity/Throughput:

N/A

WOOD

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source and the associated dust collector in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the fan motor amperage of the Main Woodworking Dust Collector 1 (Source ID: C02) associated with the Main Woodworking Machinery (Source ID: 101A) on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the fan motor amperage of the Main Woodworking Dust Collector 1 (Source ID: C02) associated with the Main Woodworking Machinery (Source ID: 101A) on a daily basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall operate and maintain a meter to indicate the fan motor amperage of the Main Woodworking Dust Collector 1 (Source ID: C02) associated with the Main Woodworking Machinery (Source ID: 101A).

(b) The permittee shall ensure that the Main Woodworking Dust Collector 1 (Source ID: C02) shall operate within the fan motor amperage range of 105 amps to 120 amps.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that emissions from the respective equipment of the Main Woodworking Machinery (Source ID:

**SECTION D. Source Level Requirements**

101A) are always routed to the associated with the Main Woodworking Dust Collector 1 (Source ID: C02) before exhausting into the outdoor atmosphere.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Main Woodworking Machinery (Source ID: 101A) consists of the following equipment:

- (1) A multi-saw trimmer manufactured by Morris Industrial Corp.
- (2) A Weigma Tiger 800 Shredder
- (3) A straitoplaner manufactured by Oliver Machinery.
- (4) Two (2) gang rip saws manufactured by Progressive Systems, Inc. and the Mereen-Johnson Machine Co., respectively.
- (5) A straight line rip saw, model no. SL-60, manufactured by Diehl Machines.
- (6) A bandsaw manufactured by Stenner Ltd.
- (7) A radial arm saw manufactured by DeWalt.

(b) Sawdust from the equipment listed in paragraph (a)(1)–(7) is ducted to a super pulse blast (pulse jet) cyclone dust collector (Source ID: C02), manufactured by Dustin Air Corp., model no. SPB-304-12. The dust collector is rated at 47,750 acfm exhaust gas flow, and uses 304 fabric filters (bags), each measuring 5 inches in diameter x 12 feet in length.

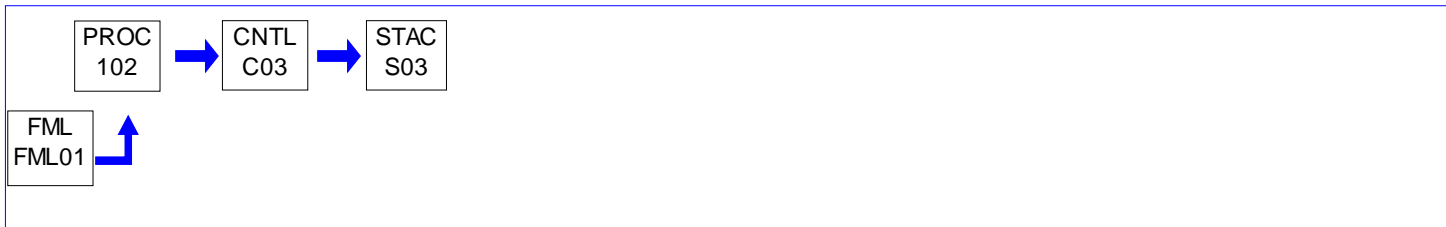
(c) The sawdust collected by the super pulse blast (pulse jet) cyclone dust collector (Source ID: C02) is routed to either a trailer or the Sawdust Storage Silo (Source ID: FML02) via pneumatic conveyors (up to two may be connected at one time).

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: MOULDERS (4)/SHREDDER (1)

Source Capacity/Throughput: 3.900 Th Bd Ft/HR WOOD

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source and the associated dust collector in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the emission into the outdoor atmosphere of particulate matter from the Moulders (4)/Shredder (1) (Source ID: 102) shall not exceed 2.1 pounds per hour.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the fan-motor amperage for the Woodworking Dust Collector 2 (Source ID: C03) on a daily basis.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the differential pressure across the Woodworking Dust Collector 2 (Source ID: C03) on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters:

- (a) The fan-motor amperage for the Woodworking Dust Collector 2 (Source ID: C03) on a daily basis.

**SECTION D. Source Level Requirements**

(b) The differential pressure across the Woodworking Dust Collector 2 (Source ID: C03) on an operating day basis.

(c) Any inspections or maintenance performed on the Moulders (4)/Shredder (1) (Source ID: 102) or the Woodworking Dust Collector 2 (Source ID: C03), including any deficiencies noted and any corrective actions taken.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the Woodworking Dust Collector 2 (Source ID: C03) operates within the following parameter ranges:

- (a) A differential pressure range across the dust collector of 1.0 to 4.0 inches of water.
- (b) A fan-motor amperage range of 46 amps to 62 amps.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that all sawdust from the Moulder (4)/Shredder (1) (Source ID: 102) is ducted to the Woodworking Dust Collector 2 (Source ID: C03) before exhausting into the outdoor atmosphere.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source group consists of three (3) Weinig P700 moulders, one (1) Weinig P1500 moulder and one (1) Weima Tiger 400 shredder.

(b) Sawdust from the Moulders (4)/Shredder (1) (Source ID: 102) is ducted to a super pulse blast (pulse jet) cyclonic dust collector (Source ID: C03), manufactured by Dustin Air Corp., model no. SPB 163-10. The dust collector is rated at 21,356 acfm exhaust gas flow, and uses 163 fabric filter bags, each measuring 5 inches in diameter x 10 feet in length.

(c) Sawdust collected by the dust collector is routed to either a trailer or the Sawdust Storage Silo (Source ID: FML02) via pneumatic conveyors (up to two may be connected at one time).



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
010	BOILER		
Emission Limit		Pollutant	
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
101A	MAIN WOODWORKING MACHINERY		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
102	MOULDERS (4)/SHREDDER (1)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
2.100	Lbs/Hr	particulate matter	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant	
24.900 Tons/Yr	12-Month Rolling Sum, Calculated Monthly	
	NOX	

**SECTION H. Miscellaneous.**

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Operating Permit No. 23-302-108.
- (2) Operating Permit No. 23-316-001.
- (3) RFD No. 23-A01-828.
- (4) Plan Approval No. 23-0073.

(b) The following sources have been determined by the Department to be insignificant sources of air contaminant emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping, except as specified in Conditions # 004(b) and 005(b), Section D (under Source ID 010), of this permit. They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C, of this permit:

(1) Six dry kilns manufactured by American Wood Dryers, Inc. The dry kilns are powered by steam from the boiler (Source ID 010).

(2) Eleven space heaters manufactured by Airtherm, powered by steam from the boiler (Source ID 010), as follows:

Model No.	Type	Lbs/hr Steam	Quantity
HA-300B	Horizontal	310	4
VA-317	Vertical	345	7
		-----	-----
		3,655	11

(3) A cold parts cleaner, model type/no. Handi-Kleen PL36, manufactured by Graymills Corp. The cold parts cleaner has a capacity of 15 gals, and uses a cleaning solution with a VOC content of less than 5%.

(4) Forklifts.

(c) This permit is a renewal of State Only Operating Permit No. 23-00073, originally issued on July 1, 2002 (APS ID 346251, Auth ID 355057), previously renewed on December 24, 2007 (APS ID 346251, Auth ID 792502), and previously amended on December 4, 2009 (APS ID 346251, Auth ID 812112). The following is a listing of the changes reflected in this permit (APS ID 346251, Auth ID 934630):

(1) A requirement to maintain records of the duration of each deviation (for the monitoring of odors and visible and fugitive air contaminant emissions) has been added to Condition # 012, Section C, of the previously-amended permit (Condition # 013, Section C, of this permit), as part of Sub-condition (a)(3).

(2) Additional authority citations to 40 C.F.R. §§ 63.10(b)(1) and 63.11225(d) and 25 Pa. Code § 127.35(b) have been added to Condition # 013, Section C, of the previously-amended permit (Condition # 012, Section C, of this permit).

(3) Conditions # 014(d) and 018, Section C, of the previously-amended permit, have been removed.

(4) The following for Condition # 015, Section C, of the previously-amended permit (same condition number in this permit):

(i) Additional authority citations to 40 C.F.R. § 63.11225(c)(4)–(5) and 25 Pa. Code § 127.35(b) have been added.

(ii) Requirements for the written report of each malfunction to include the duration of, and any actions taken to minimize emissions from, the malfunction, have been added as part of Sub-conditions (c)(3) and (6), respectively.

(5) The following for Condition # 022, Section C, of the previously-amended permit (Condition # 020, Section C, of this permit):

(i) Additional authority citations to 40 C.F.R. § 63.11205(a) and 25 Pa. Code §§ 127.35(b), 127.444, and 129.93(c)(1) have been added.

(ii) The language has been changed to also require operation and maintenance in a manner consistent with good safety

**SECTION H. Miscellaneous.**

practices.

(6) Requirements to test a sample of each shipment of No. 2 fuel oil consumed by the boiler and determine its sulfur content, and a statement that this requirement shall be waived for a given shipment in the event that the permittee obtains either a laboratory analysis or other certification from the fuel supplier indicating the sulfur content, have been added as Condition # 004(a)(1)–(2) and (b), Section D (under Source ID 010), of this permit, respectively.

(7) A requirement to monitor the amount of wood waste consumed by the boiler on a monthly basis has been added to Condition # 004, Section D (under Source ID 010), of the previously-amended permit (Condition # 005, Section D (under Source ID 010), of this permit), as Sub-condition (a)(3).

(8) The following for Condition # 005, Section D (under Source ID 010), of the previously-amended permit (Condition # 006, Section D (under Source ID 010), of this permit):

(i) A frequency of maintaining records on a 12-month rolling basis has been added.

(ii) A requirement to maintain records of the amount of wood waste consumed by the boiler has been added as Sub-condition (a)(3).

(9) Requirements to maintain records of the operation and maintenance procedures for the boiler, and all maintenance performed for the boiler and associated multi-cyclone (Source ID C01) and monitoring equipment, have been added as Condition # 008(a)–(b), Section D (under Source ID 010), of this permit, respectively.

(10) Requirements to maintain records for the boiler of all notifications and reports required to comply with 40 C.F.R. Part 63, Subpart JJJJJ, each tune-up, the report associated with the energy assessment, and documentation of how the wood waste consumed by the boiler meets the legitimacy criteria for non-hazardous secondary materials, have been added as Condition # 009(a)–(d), Section D (under Source ID 010), of this permit, respectively.

(11) Requirements to maintain records of and calculate the NO_x emissions from the boiler on a monthly and 12-month rolling basis, have been added as Conditions # 010 and 015, Section D (under Source ID 010), of this permit, respectively.

(12) A requirement to perform an initial and subsequent tune-ups of the boiler has been added as Condition # 013(a)–(b), Section D (under Source ID 010), of this permit, respectively.

(13) A requirement to have an energy assessment performed for the boiler and associated energy use systems has been added as Condition # 014, Section D (under Source ID 010), of this permit.

(14) A statement that the boiler is subject to, and shall comply with all applicable requirements of, 40 C.F.R. Part 63, Subpart JJJJJ, has been added as Condition # 017, Section D (under Source ID 010), of this permit.

(d) The State Only Operating Permit No. 23-00073 (APS ID: 346251, Auth ID: 1222806) has been renewed.

(e) The State Only Operating Permit No. 23-00073 (APS ID: 346251, Auth ID: 1414153) has been renewed.



***** End of Report *****
